

October 13, 2017 Project No. 6006-300-30-17-07

Skip Schupp Gas Operations Manager 17955 Holiday Drive, Shawnee, KS 66217

Re: Cottonwood Landfill 3rd Quarter Surface Emission Monitoring

Dear Schupp:

In accordance with §60.756(f), In accordance with 40 CFR60.755(c) the third quarter surface emission monitoring (SEM) event was conducted on September 7, 2017 at the Cottonwood Landfill in Marissa, Illinois.

During the monitoring event, there were no instances of methane monitored in excess of 500 ppm by volume above background. Enclosed are the field data sheets and the SEM path during the sampling event.

Thank you for the opportunity to conduct the monitoring. If you should have any questions or would like to discuss these results, please do not hesitate to call me at 816-728-2972.

Very truly yours,

Landmarc Environmental Systems, LLC

Rick Nuessen Project Manager

Enclosures:

Field Data Sheets SEM Path Map

Surface Emissions Monitoring **Conducted per 40 CFR 60.753**

Reading	Description:	// Ini tial		_10-Day		_30-Day
	SI	EM Calibra	tion Log			
			•			
DATE:			9/7/2017			
SITE:	-	Co	ttonwood Land	fill		
TECHNICIAN:		Jenny Holt-	Weaver Consult	ants Group		
S/N:			15868660			
MAKE/MODEL:	-		TVA 100			
CALIBRATION GAS STANDARD (ppm)			500 ppm			
CALIBRATION GAS:	LOT#: EA	P-150A-500-2	EXP. DATE	:	6/24/2019)
MEASUREMENT	No. 1					
	Meter Reading for	Zero Air		-	0.1	PPM
	Meter Reading for	Calibration Gas			499	PPM
MEASUREMENT	No. 2					
	Meter Reading for	Zero Air			0.66	PPM
	Meter Reading for	Calibration Gas		-	500	PPM
MEASUREMENT	No. 3					
	Meter Reading for	Zero Air		· USERIAL	0.27	PPM
	Meter Reading for	Calibration Gas			497	PPM
Calibration Precessi	on : [STD-1] + [STI	D-2] + [STD-3] x	1 x 100			
	3	5	00 1	2	0.8	%
	percent error mus	t be less then 10				

Surface Emissions Monitoring **Conducted per 40 CFR 60.753**

Reading	Description: // Initial	_10-Day _		30-Day
	SEM Instrument Response	Time		
DATE:	9/7/2017			
SITE:	Cottonwood			
TECHNICIAN:	Jenny Holt-Weaver Consult	ants Group		
S/N:	15868660			
MAKE/MODEL:	TVA 1000			
MEASUREMENT	Γ No. 1			
	Stabilized Reading Using Calibration Gas:		497	РРМ
	90% of the Stabilized reading:		447	PPM
Time to Reach 90%	of Stabilized reading after switching from Zero air to Calibration Gas	_	7	seconds
MEASUREMENT	No. 2			
	Stabilized Reading Using Calibration Gas:		499	PPM
	90% of the Stabilized reading:		449	PPM
Time to Reach 90%	of Stabilized reading after switching from Zero air to Calibration Gas		4	seconds
MEASUREMENT	No. 3			
	Stabilized Reading Using Calibration Gas:		498	PPM
	90% of the Stabilized reading:		448	PPM
Time to Reach 90%	of Stabilized reading after switching from Zero air to Calibration Gas	_	4	seconds
	Average Response Time 5	(must be less	than 20	\

Surface Emissions Monitoring

Conducted per 40 CFR 60.753

Rea	ing Description:10-Day30-Day
	SEM Background Report
DATE:	9/7/2017
SITE:	Cottonwood Landfill
TECHNICIAN:	Jenny Holt-Weaver Consultants Group
S/N:	15868660
MAKE/MODEL:	TVA 1000
CALIBRATION GAS STANDARD	500 ppm
BACKGROUND (Highest reading in 3	seconds)
	Location/Wind Direction: SE of Cell 4mph SW Reading: 1.2 PPM
PACKCBOUND I	
BACKGROUND I (Highest reading in 30)	
(Figurest reading in 30	Location/Wind Direction: NW Flare of 4mph SW
	Reading: 0.97 PPM
Background average	1.08 ppm

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Surface Emissions Monitoring

Conducted per 40 CFR 60.753

Reading Description: // Initial	10-Day	30-Day	
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SEM Exceedance Log

DATE:	9/7/2017	
SITE:	Cottonwood Landfill	
TECHNICIAN:	Jenny Holt-Weaver Consultants Group	
S/N:	15868660	
MAKE/MODEL:	TVA 1000	

**Attach monitoring map with numbered locations of exceedances

Exceedance Identifier	Location/Area and Time	Conc. of Exceedance (ppm)
1	NONE	
2		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		

Quenny Hood

